The Mining Journal

RAILWAY AND COMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROGEEDINGS OF ALL PUBLIC COMPANIES.

No 373. -Vol. XII.]

LONDON: SATURDAY, OCTOBER 15, 1842.

PRICE 6D.

PERSIPTORY SALE.—Ms. C. WARTON is instructed by the mortgages ing under power of sale) persuaderily to SUBMIT to AUCTION, at the Auction 6, opposite the Bank of England, on Wednesday, the SUR of October, at Twelve sole, in their year, THIRTY SHARES in the colorisated CAR BREA TIN and PERS MINES, pethago unequalised in the county of Cornwall for extent of the Sale of the Colorisated CAR BREA TIN and PERS MINES, pethago unequalised in the county of Cornwall for extent of the Sale of the Colorisate CAR BREA TIN and PERS MINES, pethago unequalised in the county of Cornwall for extent of the Sale of the

ALUABLE COLLIERY, near EDINBURGH, TO LET.

HINA CLAY AND STONE WORKS, TO BE LET, in the parish of St. Shupton, in Brancoll, county of Conwealt, for terms of years the Sixth of Supremitor, 1932, on conditions to be had of Mr. John Stewes, as the Sixth of Supremitor, 1932, on conditions to be had of Mr. John Stewes, as

SPEE AND ON RAILWAYS, REQUIRES ONLY TO BE ENOWN BE ALL OTHER BOFFE FOR SUCH PERFURES, and, to provide the Committee of the Co

HE PATENT SAPETY FUSE, POS BLASTING ROCKS IN MINES, QUARTIES, AND FOR SUBMICALINE BATIONS.—This article affects the eatest, chrapest, and most objections of effecting this very hazardness operation. From story facilities and mines with which the Manufactures have been favoured from every part of lagsban, they select the following littles, restably noticed from John Taylor,

Description of the particular parameters and the process of the parameters of the pa

HENRY THOMAS, MINING AGENT and MINERAL MR. HALL'S "SMOKE-CONSUMING" PATENT PAGE OF IS

M. I.N.I.N.G.—A Gentleman, who him had twenty years' expense of negating with a party who requires the amining matters, is desirant of ongaging with a party who requires the amininance of a PRACTICAL MAN, thereughly conversant with the management of the office and nurface department, of group or abroad.—Letters, post paid to be additioned "C. P.," care of figure o

I NDICATIONS OF COPPER ORE, showing richly to the surface, and in many parts of the its sinuse ESTATE of GLAUNAKILLERS, arish of Kiles, country of Cart, Iraland, sig mine from the town of Richbergrean, and three from Baltyshakes; there is an examinator read kept in repair by the country has the satist to Rousing Water Guay, where vessels of matricest burdless can high the ore a horse and cart can wash has flying per day in the shipping quary, calls Swanten, iremant on the country, will give copy information, and either any

BRYN HAFO D-Y-WERN SLATE COMPANY,
IN SIRTY SHARER, AT JOSS PER SHARE.
The Bryn Hafod, y Were Sinke Querry, near Hanger, having been fully opened, at
a considerable typesses, and a large body of saids rock having been brought intention. It is now proposed to establish a company, that it may be worked to advantage.
The class rock, which is of recorder content and the con-

WATER WHEELS, TO BE SOLD, BY PRIVATE CON-

TRACT :— One let-feet Water-wined, 4 first on the breast,
One 45 feet, 46. 5 feet 5 inches on the breast,
One 45 feet, 46. 5 feet 5 inches on the breast,
One 45 feet 46. 5 feet 7 inches 46.
One 16 feet 46. 7 feet 2 inches 46.
Apply to Mr. W. RICHARDS, Reducts, Corowall, who has also
POR SALE, an excellent 45 inch cytinder EPEDM, and several 18, 16, 17 in 19,
and 26 inch PUMPs.— Reducts, Sept. 24.

STEAM-ENGINE.—TO BE SOLD, a PUMPING-ENGINE, with bollers, pumps, steam and food pipes, do. Ac.—For firther particulars apply at the office of this Journal, 1, Crane court, Flort-street, London.

TO COAL OR STEAM BOAT PROPRIETORS, ENGL

of the Governor and Company of Copper Miners' in En-

R IO DE ANORI GOLD STREAM WORKS COMPANY

CONTRACT FOR IRON BRIDGES.—The Liveryous and Contract of the Secretary and Contract of the Secretary and proposed to SECETAR TENESTAR OF CONTRACT for the PROVIDENCE on each constitute of the Secretary with picket and speculosoften, which are now ready for inspection at the company's office, Liste effects force analysis of the secretary of the s

R USSIAN STEELIBON—CCND—The undersigned barries and the state of less on the state of the state

know not.

shown, if I ever do come practically to apply my
smotives, how I would do it, and I assert that my give emotions, how i would do it, and I assert that my give emotioned with the true conditions of the combination, and perhassively of the carbonic cashe from code, level, I may begin with mice. In his last, letter in the

M. Dufernoy has made a report on a peculiar kind of pawder collected by Dr. Bisarou, in Grecce, after a slew and gentle shower of rain. The analysis of this powder above that it is composed of carbounts of lime, hydrated iron, and sand of granite. It was probably carried into the clouds by some metrorological action, and remained there in a state of empeasion notil it was precipitated by the rain alluded to.

ROVAL POLYECURIC INSTITUTES.—Two new machines have been just added, which, in the generality of the public, will prove of interest, in affording them an opportunity of witnessing a manufacture in interest, in affording them an opportunity of witnessing a manufacture within provent increasable to them—that of the manufacture of pins—which process is now carried on in the hall of manufactures of this institution. This beautiful little apparatus—for such it warrants us in asying—completes forty five pins per minute, taking the wire from a red, cutting it to its proper length, straightening it, pointing it, and forming a solid head at the same time. The other is a printing press, by Napier, the orrangement for supplying the rollers with each after of paper previous to its being exhaulted to its first pressure, which is done by one revulution of the first cylinder, being well, worthy of observation; having received the impression on one side only, it is transferred to the arcenet existence, from which the sheet, printed on both sides, is delivered roady far finding, the number this was not being het went 700 and 800 ser hour. The coloused electrical machine to again endystening the until new with its brilliant experiments. These additions to the ordinary attractions of the institution draw crowded disagniting as of the pitte, as well as those who gladly avail themselves of the apparatunity afforded of sequiring a glosm of scientific and necessaries in the apparatunity afforded of sequiring a glosm of scientific and necessaries.

There additions to the ordinary attractions of the institution draw crowded dangerings; of the phile, as well as those who glady areal themselves of the opportunity adurded of sequiring a gleam of scientific had norchanical knowledge.

Bettaling or Jaou Seram. Boars in Seraron omner.—On the 5th inst., a trial was made at Northpuol, near Ogley, of a very complete and beautiful ioni atram. boat, built by the Ogley of a very complete and beautiful ioni atram. boat, built by the Ogley of a very complete and beautiful ioni atram. boat, built by the Ogley of a very complete and beautiful from the description of the versel, and a lengthened account of the proceedings enumerical with the boated, nore. "On going on board we were instantly struck with the neathers and completents of every part of the versel, one first term round the pool convincing as of the very appearing and eclestific constructions of the boat. Her answer to her helm was instantaneous, way, and critain, and us never felt so little vibration on board of any steamer. The engines, which are from 16 to 26 heeses, power, are get up in a most superfer cryle, with all the harperocents of modern achieve. The sprawing for according the engine of the fettings of the engines, which are placed herizontally, would do oredit to any establishment in the kingdom.

New years Nate Board,—The creemony of opening these docks, which have been in course of erection since 1835, took place on Monday. Great prognantions had been making for several years post in order to give due effect just the town and only dependent in vitra discrete. The leading inhabitants of the town and oneighbourhood invited their friends from afer, and the accident ions around an authorities were proprieted at a public meeting of the inhabitants to no operate with the town cancil and the dock committee on making for account of expenditure was appointed at a public meeting of the inhabitants to no operate which the owner of the flattents. A committee was apprinted at a public meeting of the inhabitants

ON THE FORMATION OF PEAT MOSS.

ON THE FORMATION OF CRAIM Press.

At a record many terms of the Bromagnath Probability of the behalted by the probability of the probability of the behalt of the object of his paper was Palescene to natural history of these pseudiant to object of his paper was Palescene the natural history of these pseudiants of the post of the paper was Palescene to natural history of these pseudiants of delings, not be coming of his justify which the disperts of the probability of the present of the object of the paper was presented to the paper of the object of the paper of the pap from af the cush of water has been then diminished, it will become quite class. It appoins that the new tohe, which has been introduced into the wall, done and could not be too below: a precision of the former tube, which could not be activated, has forced its way treasurement, and precision of the former tube, which could not be activated, has forced its way treasurement, and precision of the former tube, which as it is not take from the former tube. The country of the first and a great number of requirement was made in precision one at the well.

The object proposed was to measure the assessment of the support. Former depolarities the right precision of the area and the surface were first and a precision of the surface and the surface were first and one of the first cushes make the first cushes for the first precision. It is supported to the surface of the grantity of the surface of the precision of the surface of the area and there exists the thirther proposed was to measure the assessment the ground thin quantity of the treatment of the surface of the precision of the surface and their cushes for the bandon of the institution of the surface of the surfac

ROYAL CORNWALL POLYTECHNIC SOCIETY.

As pastifying poor of the increasing interest of this noisely was exhibited at the freth annual monoling, held at Falmouth, so Theoday work, the noble hall being traveled with youlders, samme whom time many of its carliest friends, as well as a large attendence of latics and gentlemen who charrfully and their said to premaring measures, though the time of the total and moral condition of the individual chance. Our space will not slive of entering no manutchy, in one Number, into the many interesting particular and the said and moral condition of the individual chance. Our space will not slive of entering no suntately, in one Number, into the many interesting particular and the said and the said of the said and the said and the said and the said and the said of the said and the said and the said of the said and the said of the said and the

Mr. Hight, first prize.—For an instrument for setting off the angles of refraction. Mr. Hain, Burnacose, first prize.

The landscape view of Par Canocis Mines, by Mr. Mitchell, a first broixy mechal.

Mr. Bruntine, of Engle's Bath, Neath, described his newly inspected and very important machine far dressing are, by which a considerable envising in effected, datalled particulars of which, with engraving, appeared in the Mining-Journal on 12th Angust land.—Mr. Hant mode a communication on the discovery of light of a paculiar character remaining from the outer edge of the sun.—Mr. Vignoles delivered a fecture on the atmospheric rativary. Die amperiantly of which over the recommen rallroad his polated out at great length, and clearly explained the society operand his polated out at great length, and clearly explained action in subsect when me it is inequalible to raise over by any of the senal modes of winding.—Mr. Bower caplained his invention for winding crea from parts of mines whence it is inequalible to raise over by any of the senal modes of winding.—Mr. Hunt related the circumstances of some experiments be had encodeded. At the request of the nociety, in several mines, for the purpose of proving the existence, of electrical currents in mineral xvins.—Mr. Phillips, of Philips, creating the airlance of electrical currents in mineral xvins.—Mr. Phillips, of Philips explained his mode of forming stectro has —Mr. H. Taylor road a letter which he had receively from his father, who had visited the Hartz, Mines, is which a similar mode for effecting the described Mr. Jordan's progressive the mode of which he airland with the service of the postum; he also described Mr. Jordan's progressive the sanched we benefit to the necessary minushes of the suchety, which was unantimensely agreed to.

The Parasipure having converted the shearest of Minest Philipse explained the holes.

The Parasipure having converted the sirection of Mr. Festiverstonhamph, Mr. Heustwa, and Friesence Vignoles as honorary minushers of the suchety, an examination into the intrace and characters of light had been assets extended. In connection with this subject Mr. Head give a particular account of some very indeventing researches made by the Ravid Browner's (all the characters of the dark basels which are from the country every bundle or gray, which provide from the size. He then provered to capital the extension of provides from the size. He then provered to capital the extension of talk provered white a size of Franciscom Manne, of Kanlagbauer. It appears that actually place of Franciscom Manne, of Kanlagbauer, in the capital the talk made in the size of patent size of talk of the patent within a short distance of talk other, and objects are depicted and plates of follows and the power of talk other size of head they have the patent of restoring design the Lemma of night there exists that the patent of tractioning design the Lemma of night there proves that all broken had the power of althoughing light. It is exclude which the continuous action of light, had distanced. The others of light as placed on the patent of tractions are tracted to light as placed on the patent of a post-constitution to electrostyce were explainted, and the Lefture discountry, and Living a coloridal starting that it is although the discountries of the Lefture discountry of a post-countries of the patent of the past pass do not at any fact the talk of the patent of the past pass do not at any fact the talk of the living as them which theirs the past pass do not at any fact to all production to the clinic line past of discountries of a little present the confidence of the past pass do not at the provide to all productions to the little past pass do not at the provide to all productions to the continuous of the confidence of the past pass of a set at the providence of the past pass of a set at the present the continuous of the little past past of the past past of the past past of the past past of the past past of

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PROCEDURES OF TRALE COMMANDE.

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meet of the condition of any of the great interests where reserved to , and it would be value to expect that, at a tamp of the great interests where reserved to , and it would be value to expect that, at a tamp of the great interests where reserved to a strugging with unparagreed differentles, their attention should be directed towards code to force make a six of adventures with the same cartisoffmen as in a period of makenal prospective.

2. In truth, the transactions of this compony are necessarily of such a nature as to resider in very unableigh that the returns in money chould be steady and required a company encoded to steady and required the company encoded making of a dividend on extraction in an interest of the perspect of a dividend on extracting in amounts. The axests of the company encoded making of land-what land in a state of Science, without proparation while these entrests and entire the propagation. With increasing projections and wealth, the winter of the latter unvertices in a rapidly increasing rate; told it may no hospital to extract of the propagation and wealth, that its any green hant, year, we even treat the operations required to give with value of lated within that period. Yet, at the union time, the value of the nature of the contract of the company man have targety becreased, and the propagity be pinced upon greatly of contract and struggly force of the principal distribution of the company man have targety becreased, and the propagity be pinced upon greatly of contracts the directors are in me who dissensed the first order of the contract of t

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	The same of	Burgins			**********	F 19 19	
Chargen of	pt for 1841 working, top laterest on a	mirs, and ex	ery other died, as not	checklytica wij na can	of contgrai	ng, eq-	18,00
		Surplus	********	*** ******			7.84
iross receip	d from Japan T. to receipt	ary 1, 1849, 5 for the month	Strat. M.	1848	*** * ***	-6-6	19,60
- 14	40		Mor. I		*******	2.000	
86			Dec. 1		*** +4619	1,000	5.04
	rorking, repo I to Nept., in notely so cu	Total					17.64

The surplus revenue during the also A 111,100

The varyous revenue during the above there years has been applied in constanting and perfecting different paste of the nulway, and in discinarying departing for their hash been interired in the came positive and it. The cast of thereafter first is the state that there is the restrict of the company, if cartied on, will be true from all bonding during 10th, 10th, and constituted 10th, 10th, and of the restrict of the company, if cartied on, will be true from all bonding during a large constitution of the service therefore the state of the service of the service through the service that a service consider inch work, the common thin alter constantly weighting the remains to adjust from them within the post of the common district the administration revenues they want affect density that present on tree them, when the recommendation of the security of the

L/ Ame

The CHAIRMAN, on moving the adoption of the report, talls, he enter tallied a specifical consideration operated the intervision of the report, talls, he enter tallied a specifical consideration of the extinute. He was confideratly of opinion that the traffic along the Davillages and Nawrantic Junction line would realize more than the 6 per continuing and Nawrantic Junction has event entered that the traffic along the Davillages and Nawrantic Junction has no the York and Navrantic Junction for the ten years, that the increase would go on progressively. This line of railway was possessed of many networkings. Their was a creat read, a thread of the ten years, that the increase would go on progressively. This line of railway was possessed of many networkings. Their was a creat read; upon the liot there was a larger population has no the York and North Midland Railway, send the Newmontic and Davilion on the York and North Midland Railway, and the Newmontic and Davilion could be made for loss money—therefore, the stark could stand arizonally self in the market. They had latterly near the report of a very emiscut cryineer—one who simple very high, and therefore, is to the profession—and tont yearliems made a mych more favourship report, as to the probable could of forming a railway between Lancaster and Khishoogh, than could have been auticipated; but, it should be remembered, that it was a consideration of some importance in the difference of the price of certain articles used in the countraction of a sallway. Fact of all, they should remember that there were notations in the price of certain articles used in the countraction of a sallway. Fact of all, they should remember that there were nations to the price of certain articles used in the countraction of the price of certain articles are described by this company and the present and the price of certain articles are described by this company and the present and the price of certain articles are described by the company of the price of the company of the price of th

ing bruke up.

DUSHAM AND SUNDERLAND RASE WAY COMPANY.

At the annual exercises of this company, held at benchrined, on Friday week
it appeared from the cuprisal annuary. Lead at benchrined, on Friday week
it appeared from the cuprisal annuary. Lead on the helf-year suring Angues 31,

248, 19a, 7d. By the revenue assumed, for the helf-year suring Angues 31,

248, 19a, 7d. By the revenue assumed to the helf-year is measured that the The delict of the manufacture with the manufacture with the manufacture of the was 1600.

The delict of the manufacture with the manufacture of the forement and the delicence with the same of the end-page of the filter was the presentation of the last plant which the presentation of the same of the end-page word of spint was the presentation of the company of the presentation of the company of the presentation of the company of the presentation of t

BRISTOL AND EXETER RAILWAY.—Notice is hereby given, that, in purcumon of a resolution of the last General Meeting of properties. The directors of this company are ready in RECEIVE TRNDERS of LOANS of MONEY, in comes of and less than #200, and for torous of not less than there, nor more than avera years, on accurity of LOANS MOTES never the corporate send of the company, hearing located at the rate of i per cost, per account, payable bail-yearfy. Touckers, as presenting the sens, the term of years, and the residence of the sandor, to be addressed to the negretary. By order of the heard of discenters.

Bristol office, 10, Broand-direct, Oct. 14.

Interest courrants will accompany the loan noises.

HEFFIELD, ASHTON-UNDER-LYNE, & MANCHESTER
SAILWAY—TENDERS for LOANS—The directors are prepared to GRANT
OBTOGACES, under the powers of their act of Parliament, for LOANS of MONEY
same of anni leas than of 100 cach, and for periods of throw, fre, or overing years,
as a pipion of the lender. Interest at the rate of 5 per coot, per amount will be pad
if-yearly, for Whitch indexes warrants will be given for the periot agreed on, payies at the compacy's bankers, in London. Mancheoter, or the field.—Further inreaction may be judgicaled at the company's offices, in Mancheoters or Worffeld of,
and the of T. J. Furker, Eq., the field, Meases. Bagebow and Sirvenano,
serier; or Meases. Johnson, fion, and Westbershi, Temple, London.
Mancheoter, April 3.

By order,

JOHN FLATFORD, A.

CLARENCE RAILWAY COMPANY.—The Exchequer Loan Commissioners having entered into POSSERSION of the above RAILWAY, and having ADVERTISED the SAME FOR SALE, BY PUBLIC AUCTION, in the source of each on each month, as heles a proportion of the concept (advanced by Government, measuring, with interest, to shout #155,/cm) be repaid early in November next, the directors of the conceptory are desirance of fix 10 NOV proposed to required by the SBUE of 14,000 NEW MCBIP SHARES (or Loss Notes), of #10 anch, bearing interest at the rate of 6 per sent, per assume, in the payment of such dividend to be guaranteed to the subscribers out of the perfect of such dividend to be guaranteed to the subscribers out of the perfect of the company, before any other

smeaning, with interest, to should #100,000 the MONEY so required by the directions of the company are destinated of \$\text{AtONNO}\$ the MONEY so required by the \$180 Et of \$15,000 \text{ NEW MONEY \$85,000 to \$Loss Motion, of \$\text{#fo}\$ such, bearing interest at the rade of \$\text{\$p\$ at such, per assesses; the payment of such dividend to be guaranteed to the cubiculiance out of the profits of the company, before any other sisten whatever; the amount subservibed to be outjust to requirement at or after the explaint of such and \$100 the subservibed of areas or ten pears.—the interest to commence from the day of \$\text{\$p\$ at such, and an \$Act of Parliament will be applied for to ratify the arrangement.

Of the amount to be subservibed, \$00 per cent, is required to be paid on or before the 6th of Norvaniser; \$00 per cent, in the mounth of \$\text{\$p\$ at \$p\$ and the remaining \$\text{\$p\$ at reason.}\$ The percent revenues of the company shows a oferar profit of squared assesses. The present revenues of the company shows a oferar profit of squared of \$\text{\$P\$ to \$p\$ as a social for the payment of the interest on the money to be raised.

The \$Exchanger Loss Commissioners will, spon the receipt of the amount due to them, assign the necessity they now hold to the trustees of the company, and which will be hald by such trustees for the benefit of the payment is subscriberally apprinted by the company reserved of the own whole the trustees of the include profit of the payment of the trustees of the company, and which will be fasted by such trustees for the benefit of the payment is achieved to a payment, and which will be hald by such trustees for the benefit of the payment at a security apprinted by the company reserved of the new money to received which the money on received which the money on received which the direct local and in one a subscriberal such as \$\text{\$p\$ and \$\text{\$p\$ at the company, they are obliged to be a prompt in their measures; one half the amount of the company, they are obliged to be a prompt

TEWPORT AND NANTYGLO RAILWAY COMPANY, MONADUPERMINE.

PROSPECTUS.

This continger is proplected for the purposes of making a direct, cheep, and commission railways is proplected for the purposes of making a direct, cheep, and commission railways is proplected for the purpose of making a direct, cheep, and commission railways in the consequence of the produce of an extensive and possible forms the reserving places of missing, manufacturing, and commissions, but there there have been controlled in the purpose of promoting, by these means, a more exceeded frashe, and interactors of presentages and growth, between the said part and a serveral towns and places through and to which the said railway is interacted to set of final. The railway will commission at a convenient spot, near the extraorize monetarity of the said. The railway will commission at a convenient spot, near the extraorize monetarity of the said. And C. Hailway, at Manty glo, in the county of thomesouth, dwill pass through the from morety works of the Cwm Celyn and thains. Company—a selected spot important minetral districts of the Ethics and Cwm Trivery Valory—a selected spot important minetral districts of the Ethics and Cwm Trivery Valory—a selected spot of the Cwm Neat Said Valory—cone interacts with the iron-works of the Varong Company—the Ethich Iron Company—is the Iron-thail to the Cwm Neat Said Valory—cone interacts with the iron-work of the Varong Company—the Ethich Iron Company—is the Iron-thail to works of C. H. Leigh, Rep. - the Glacentage Coul Works—the Cwm in Coul and Lione Works—the Stonetheidige Fire Chy Company's Works, and the arguert. The inconversalization by canals and transcrutes, are no well known, and the inconstructs and or apology for a represent order to the Creat Said Coul and Konne Works, and the superior. The inconversalization by canals and transcrutes, are no well known, and the line of will will be a commissed to the company which the railway will promote the company of the conversalization of a confidence of the comp JEWPORT AND NANTYGLO RAILWAY COMPANY

CONSIDERED. WIS CHEMICALLY & PRACTICALLY

THAMES TUNNEL — A MEDAL of Size ISAMBART MARC REVENUE. V S. S. Se., the conjuncer, by whome shilling and personance that the statement of the

ARSON'S ORIGINAL ANTLLOGRROSION PAINT

CARBON'S ORIGINAL ANTLLOGRROSION PAINT

CARBON'

SPLENDID STOCK OF PHILOSOPHICAL APPARATUS. passable of the contestion of the contest of the contestion of the

EUROPEAN LIFE INSURANCE COMPANY.
No. 10, CHATHAM-PLACE, BLACEPRIARS, LONDON.

Estublished, Junuary, 1819.

PRESIDENT-SIT JAMES RIVETT CARNAC, Bart.
VICE PRESIDENT-GEORGE PORSES, E4-, 9, FIRSTOY-SQUARE.

Vice. Passibury.—GEORGE FORRES, Esq., 9, Filtroy-square process.

Thomas Henry Call, Esq., 1, Mount-street, Growrence square, Simon Fraser Campbell, Esq., 27, Portman square. John Rivett Carnon, Esq., 46, Devenshire-street, Fortiand-place Thomas Harding, Esq., 31, Eshim-square. John Grantino Harris, Esq., 27, Gel Palans-yard.

William Patton Jervin, Esq., 19, Caleggan place, Stones-street. Rev. Philip is Breton, 19, Charlotte street, Bedford-square. William Batton Jervin, Esq., 19, Sones street, Bedford-square. William Bargent, Esq., 19, Jones-street, Buchingham—yile, John Stewark, Esq., 27, Fortinon-square, Michael George J. Salivan, Esq., William-park, Americany, Wilts, John Thoyts, Esq., 8, Fulty-place.

Tiles are offered by this long-catabilished society to suit the vise

FACILITIES are offered by this long, established society to suit the views and the means of every class of insurers. Fremions are received yearly, half-yearly, or questrainy—or upon an increasing of decreasing code. An insurance of £100 may be effected to the ascending scale by an annual promine in for the first for years of £100 miles of £100 miles

NORTH BRITISH LIFE INSURANCE COMPANY
4, NEW BANK. SUILOINGS, LOTHBURY, and 10, PALL. MALL EAST.

Established 1869 — Protecting capital #1,000,000,fally subscribed.

HIS GRACE THE DUKE OF SUTHERLAND, President.

SIR PETER LAURIE, Aiderman, Chairman of the London Board. Extract from the Tub's of Increasing Premiums to Insure £100 for life.

Ages. First Year.			Necond Year.			Third Year.				es.		Fifth Year.			Remainder of Life.		
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546					7	11		11			14	10		18		101 1	

JOHN KING, Actuary.

NORWICH UNION LIFE INSURANCE SOCIETY Instituted 1000.—Capital investor, #1,700,000.

DIRECTORS.

Issae Jermy, Esq., Recurder of Norwich.

Mujor General file B. J. Harvey, C. B. Timothy Steward, Esq.

E. T. Booth, Esq.

E. T. Booth, Esq.

BECRETARY—Samuel Bignoid, Esq.

ACTUARY—Richard Morgan, Esq.

ACTUARY—Richard Morgan, Esq.

This accisty has been established upwards of thirty-four years—all just demands agen its funds have been primagily and liberally settled—nearly two millions and a half have been thus paid away on expired policips—and, to meet the existing engagements of the institution, it possesses funds amounting to upwards of a million and three-quarters, almost wholly invested on real and Government accurities.

THE RATES of PREMIUM are BELOW THOSE of MOST OFFICES, and, UNDER the AGE of PORTY FIVE, NOT LESS SO THAN TEN PER CENT.—a RENETT to ITESLE REUIVALENT to AN ANNUAL BOUE, which periodical additions are also made to the summ assured upon all policies for the whole duration of life in proportion to the amount of premium paid; the full advantage of life accurates it thus suppred by the members of this institution.

The subjected list of some of the existing policies of the society, exhibits the aggregate amount of bonus satisfaced to each of those policies, including that declared

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Tables of Rains, &c., may be had at the society's offices in NORWICH, L4
ENDRURGH, and DUBLIN, and of the ageuts in all parts of the United &
Copies of the directure' report at the last general meeting may be had on
tion to any of the society's agents.

ROBERT JOHN BUN'ED
A. Comment, Now Riches, stead, Rich

SECURITY.—THE GUARANTEE SOCIETY.—Parties about SECURITY.—THE GUARANTEE SOCIETY.—Parties about to hold oftentions of frust, where security is required, are informed that they can present it from the GUARANTEE SOCIETY. on payment of a small annual premion, as in the and life assurance—thus articling the alternative (to often emissaryaning on both sides) of florieting friends or resistives to be their vestelles. This userial stociety, presenting a capital of glice, i.e., has now been catablished for more than two years, during which it has become security for insaction of meritarions individuals, while its founds have here necessary for the macron in meritarions individuals, while its founds have here necessary for the macron of meritarions individuals, while its founds have been necessary for the macron of the principal London and country backers, by several of the great railway companies, and by various pacific in and private conceinered extabilishments of the highest respectability—field of all of which are consaturally open to inspection at the office. Persons also who are at present according to others, and who feel desirous of reserving themselves from a respon officiality, which, under the most favourable of commitments for above according.

Forms of proposal, with full information of every description, very be detained on againstation to the forcestary. Her bedgess, at the office, id, Positry, a. The North Country of the part of the contract of the proposal and the office.

O ARCHITECTS.—SEYSSEL ASPHALTE COMPANY.
CLARIBGE'S PATENT—Enightished March, lite, for working the Minhaits florit of Pyrimone Seysual.—This reliable maderial has been extensive, alone in See introduction into this country, for the following purpose of parameters, public and other; in the enriches approach to manning, gard

TUBBLE USEFARIES.
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Danesconke Copper Mining Co 25, Billion land
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Bank of Caylon London Tavern 20 la
Woolwich Equitable Gas Light, &c. Gas Works, Woolwich 20 2.
Breeknock & Abergavenny Canal Angel Inc. Abergavenny 20 12.
West London Railway 21 . Abchurch lane 21 1.
Re Dunstanville Mining Company 26, Birchin-lane 25 2.
Tumar Silver-Load Mining Co Office, 44, Finsbury-square 27 2.
Rio de Anori Gold Stream-Works George and Vulture Tavera 31 1.
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NOTICES TO CORRESPONDENTS.

he Menera Joranas is regularly published about Two o'clock on Saturday after-noon, at the affice, 1, Crans-court, Firet street, where it can always be obtained, and there is no country for irregularity in its napply, in lowe, other than neglect on the part of the agent through whom it is ordered; but, as respects its transmis-sion to country subscribers, the blame is shared with the Fust-affice authorities.

nor. Viongias' Lacryna on the Armonussic Raisway.—We did not re the report of the lecture delivered by Prof. Vignoles, at the Royal Cornwall technic Society, until this morning, which we regret, as, from the arrange we had made, we should have been canabled to give a full report, had it re

to receive an abstract of the paper, for which we will endeavour to find room in an early Number.

"Notes on the Upper Silurian Rooks of Denbighshire" has been received.

"Inquisitor's " letter shall appear in a future Number—it will keep; at present matters of a different and more serious nature connected with the unfortunate shareholders require as much attention and space as we can devote.

The notice of Dr. Payerne's recent experiments is hardly suited for our columns; we shall endeavour, however, to find space for some observations in at early No. Homesy Cursuryr or Englance.—Our attention has been directed by a correspondent to a paragraph in last week's Journal, stating that Mr. Hillshkora's channey therein mentioned was the loftiest; the comparative dimensions of that of Mr. Misspratifs, and the one erected by Mesers. C. Tunnant and Cu., in Sectional, which appear in our columns of to-day, however, will rectify the error late which our contemporary from whom we copied the paragraph had fallen.

"Gustry, on Nor Gustry."—We have a review of this insertion, as also a notice of Currency; lequiry Selicited, both of which will appear in our next.

The notice of the Karliest Railways has already appeared in the Journal.

The communication of "Argus" on the Talacre Company, and the paper on the Artesian Well at Grenelle, with notice of the Paris Basin, are unavoidably post-poons.

—The Mining Journal can be panetually obtained of Messrs. Marsion-street, filmingham, who will also undertake the care of an its intended for insertion in its columns.

off on Access, tameer are to a proven the control of the control o

hardy necessary.

Revised —" B. W." (Lieda) — Mr. " W." (Liverpon))—three "Subscribers," and two "Coustant Subscribers," why do not our correspondents adopt some initials: It would nave great confusion — A. T. J. Martin (Pensance) — Mr. " E. O." (Truro), whose favour would have been still further values had the promise therein contained been kept —" D. B." (Portmadoc) —" L. M." (York).

THE MINING JOURNAL. Bailway and Commercial Gajette.

LONDON, OCTOBER 15, 1842.

Returning once more to the pamphlet of Mr. Basser, being Observations on Cornish Mining, as it is likely to be affected by the present Tariff, the question of the policy or impolicy of admitting foreign ores into our home market is brought under consideration, and as the writer heatitates not to express the equinions he entertains on the subject, we shall at once proceed to an analysis thereof—but, before no doing, think it right that Mr. Basser should convey his opinions in his own words.

It is conceded that we cannot import and smelt foreign copper for internal use under the present high rate of duty. But when we refer to the fact of the shows tables, and behald the extraordinary increase in the importation of foreign copper within the last very few years—when we perceive that, in spitted the disadvantages ander which it is brought late this country, a portion of it passes through the hade of our own manufacturers—when we entemplate the monotrous advantages which would accreae to the nation by any considerable increase of much manufacture—when we advert to the circumstance, that a considerable portion of what is next to this country is the produce of English capital, I cannot had ask What is the proper policy to be adopted in fixing the amount of duty !—the answer seems to me almost to induce the importers to had it, not for the purpose of meeting only, but so as to induce the importers to had it, not for the purpose of meeting only, but so as to induce the importers to had it, not for the purpose of meeting only, but so as to induce the importers to had it, not for the purpose of meeting only, but so as to induce the importers to had it, not for the purpose of meeting only, but so as to induce the importers to had it, not for the purpose of meeting only, but so as to reduce the importers to had it, not for the purpose of meeting only, but so as to induce the importers to had it, not for the purpose of meeting only, but so as to induce the importers to had it, not for the purpose of meeting only, but so as t

We will now attempt the analysis. That we could not import and smelt foreign copper for internal use under the previous duties, was, as we have before stated, the security and protection of the British miner, which he now no longer enjoys. But, as Mr. Bassar considers there is a case made out, which will justify the sacrifice of the miner to the manufacturer, we will at once proceed to the discussion of the merits of the question so raised. Mr. Bassar refers to the tables cited in our last Number as evidence of the extraordinary increase in the importation of foreign one (the word copper is employed in this, as in many other instances in the pamphlet) within the last four years, and contends "tist, in spite of the disadvantages under which it (the copper, or ore?) is brought into this country, a portion of it passes through the hands of our own manufacturers." Here we must, for a mouseit, pause, and invite the attention of our readers to the tables to which Mr. Bassar makes reference, and which, to avoid any doubts on the points at issue, we purpose inserting in our next Number. From these it will be seen, that the quantities of foreign copper, unwrought, in pigs, &c., exported from the United Kingdom, in 1832, was 30 tons; in 1833, 119 tons; in 1839 again increased to 363 tons; and, in 1840, lowered to 361 tons; in 1840 tons of unwrought copper were exported, the quantity of ores imported was 701 tons; yet in 1840, when the exported copper was only 301 tons, the imports of foreign ore amounted to 42,348 tons. The quantity of copper were exported in the same years, were as follow:—In 1834, 1183 tons; in 1840, when the exported copper was only 301 tons, the imports of foreign ore amounted to 42,348 tons. The quantity of copper weeker amounted to 42,348 tons. The quantity of copper weekers amounted to 42,348 tons. The quantity of copper weekers amounted to 42,348 tons. The quantity of copper weekers amounted to 42,348 tons. The quantity of copper was exported in the same years.

when the experted copper was only 301 tons, the imports of foreign ore amounted to 42,348 tons. The quantit' of copper smelted is the United Kingdom from foreign ore, and exported in the same years, were as follow:—In 1834, 1185 tons; in 1840, 7630 tons. If, again, we take the quantities of foreign copper experted manufactured from the United Kingdom in 1832 and 1840, we shall find by Mr. Bansay's tables that in the former year it was 32 tons, and in the latter 13 tons. Such are the results—while we leave our readers to draw their own deductions.

Having quoted the figures, we readily grant to Mr. Bansay all the advantages which he may deem himself entitled to, by virtue of his argument, although it is well to ofer him to page 10 of his pamphlet, wherein he states "the mount of foreign capper on which Beltish labour has been expressed, beyond the process of smelting, has been but trifling; "ve, leave this portion of the pumphlet, and reay is our op drives."

We again a well in our op the indirection of the pumphlet without further comment. Mr. Bansay continues of the opening of the indirection of the pumphlet, and reay of the indirection of the pumphlet, without further comment. Mr. Bansay continues of the again of the continues of the same of the opening of the indirection of the first owned acres to the assemble of the indirection of the the reason of the smelting, the manufacturer, and the consumer, and "throwing the process of the smelting, the manufacturer, and the consumer, and "throwing the foreign copper or the deep to the consumer.

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gentleman the best le turers, the copper, an he is right especially the expens charges, as He says, to per ion, th then proces out of cons into our h be right in out of the copper min 6 per cent. or fundhold which, in it Mines, with

6 per cent. trilling consthat, " with imported, it competition of steam-en-in alls. Asin silk, &c. ; to be, peculi of the manuf we would as which the we notice, excep-insignificant, We next arri

We again of tween Mr. Cu for the reasons

overboard" the interests of those whom he professes to address, he would lead us to infer that the manufacture of copper was the main point, and that the raining of ore was but secondary.

Again he remarks—"When we advert to the circumstance that a secrable portion of what is sent to this country is the produce a naglish capital, I cannot but ask what is the proper policy to be adopted in fixing the amount of duty?" (which, to him, seems almost self-evident, and which he thus describes)—"To make such a reduction only on copper ore in this country, as to induce the importers to land it, not for the purpose of smelting only, but so as to lead to the manufacture of it in Great Britain; at the same time to retain such a portion of the tax upon it as shall at sace be a considerable protection to the mines of this country." Now, in the first place we would ask Mr. Basser, will be, as a free trader, bold out a premium to the English capitalist to employ his resources in foreign lands in preference to his native country?—We last week stated that full 200,000d. had been realised by the employment of British capital in Cuba and Chili, whereby the capital so embarked is taken from this country to employ the foreign miner, and further to afford to other nations those advantages which we have ever claimed as one of the proudest boasts of England, not merely the enjoyment of capital, but the energy, enterprise, and liberal spirit which characterise all our adventures, and which we are now affording to other countries in preference to our own. Why, we would ask, is the English capitalist, who employs his capital in the mines of Spain, to be considered by our Government more than he who advances his money to aid the Spanish finance, and takes their bonds in return? Let the Minister deal out equal justice, and we shall not complain—but when we find that to aid the British capitalist, who makes his investment in foreign mines, Government not only affords to him advantages which he never contemplated, but holds out a boon to othe

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so far as the mineral wealth of this country is concerned, as well as throwing on the country the expense of supporting a vast population, whose means of existence is taken from them—it behoves us to consider whether such measures can be upheld and supported by honourable men.

We contend not—but let us again turn to the party investing his capital in foreign funds, and, as we are on Cuba, which is a Spanish possession, Spanish bonds will be a good case in point. Years after years have peased by without interest being paid on the capital—compromises have been made—the alteration in the value of the bonds has ruined thousands—and yet the Minister is passive and silent under a loss of millions, which have been abstracted from the nation, while, to gain support in his other ministerial measures, he listens tos few influential Members or capitalists, possessing influence—at the same time, adopting the principles of the Whig ministry, which the had not power enough to carry out. By so doing, he gives to the capitalist whose attention is directed to foreign ministry, which they had not power enough to carry out. By so doing, he gives to the capitalist whose attention is directed to foreign fundholder, whose entire property has been sacrificed, to help himself; such conduct is most highly reprehensible, and cannot, even by Sir C. Lamon on the opposition, or Mr. Bassay on the Whig-Conservative side, be justified.

Mr. Bassay, in stating that he considers these measures of the Ministers are highly to be commended, yet, at the same time, expresses himself anxious "to retain such a portion of the tax as shall at once be a considerable protection to the mines of this country," but which protection he leaves to be determined by "more practical men" than himself. Now, as a protection, to be considerable, must first established to be a protection at all, and as such cannot be argued to be the case by the most special pleader, without it he first proved that the miner is secured by obtaining a remunerative price for his labour insignificant, on which is would propose to raise his structure.

We next arrive at a sentence which corries with it all our feelings.

Mr. Banny says—"What we have a right to insist on is this—tain a very rich solution of the Crimes, has been found to contain that the Government shell approximate, as much as possible, to individual intensate, without giving so; nonecessary stock to individual intensate." We then ask, has Government done this? Mr. Banny and is produced in such quantifies as to become an article of commerce.

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tween the parties. We owe to Mr. WILLIAMS an apology for not having noticed the dates of Mr. HALL's patents, and given our explanations, but as the question involved other matters, which our want of space has not allowed no to enter upon, we must crave the indulgence of that gentleman and our readers. Where is Mr. HALL? the letter of a correspondent, in our columns of to-day, should claim his attention.

LECTURES ON GEOLOGICAL MINERALOGY.

On Wednesday, the 12th instant, Mr. Tennant delivered, at the King's College, his introduction to a course of lectures "On Geological Minoralogy." During the course of the lecture, the Professor, after giving a brief, but most able, history of the rise and progress of mineralogy, from Pliny to the present time, in a striking manner explained the intimate connection which exists between mineralogy and clemistry, as relating, not only to the arts, but to the ordinary and constantly proceeding operations of Nature. He then entered into some very interesting details of the first principles of mineralogy, and explained, in the clearest manner, how different minerals were to be distinguished, entering at some length into the laws laid down by the earliest mineralogists for the distinguishing and arranging of minerals, more especially those of Werner, which have been greatly improved upon by more recent mineralogists, as Jamieson, Aikin, Phillips, Brooke, Miller, and others. One remarkable occurrence was mentioned—that in the collection formed by Werner far better specimens of English minerals were to be found than can be met with in many of the first-rate collegions in this country, which elecumstance the Professor attributed to the extraordinary industry and enthusiasm of the pupils and followers of that first of mineralogy, and is to be followed by others of a more scientific nature, which will appear in this Journal. A series of specimens, not only from the museum of the cellege, but from Mr. Tennant's own collection, was introduced, to illustrate the lecture, and, from the practical knewledge and skill of the Professor, much instructive and interesting information is expected to be given in the cusuing lectures.

SULPHUR TRADE.

According to official statements, published at Naples, a considerable decrease in the exportation of sulphur from Sicily was exhibited for the year 1841, as compared with that preceding, as evidenced by the following returns:—1840. Total export to all countries...... 732,750 cantars.

1841.

Decrease for twelve months.... 546,649 cantara.

This decrease within a single year affords to our mind conclusive evidence of the effect produced on the foreign supply by working our home mines. The export from Sicily to England, which in 1840 reached 393,533 cantara, was, in 1841, reduced to 20,330, or only one-twentieth the amount

of the effect produced on the foreign supply by working our home mines. The export from Sicily to England, which in 1840 reached 393,333 cantars, was, in 1841, reduced to 20,330, or only one-twentieth the amount.

Mining in Spain.—it appears there is some foundation for the rage for mining speculations now existing in Spain, if we may judge from the extraordinary success alluded to in the following extract from a letter, the original of which we have seen, dated Toledo, October 4, received from a mining engineer, now engaged taking surveys previous to the formation of a company in London:—"A mine in the Cierra de Almagrara, in the court of Spain, has been set to work by a company in sixty-four shares; only ten dollars per shere has been paid, and last year the dividend was 18,000 dollars per share. It is said that the mine is now producing 10001, worth of silver per day. The shares are quested at 79,000 dollars each, but no sellers. I am expecting that ours may prove equally rich; from all I can see and hear I am in high spirits, but next week will bring my report."—This party has discovered two mines of quicksilver, which we may be enabled to speak more fully on next week.

IRON GALVANISATION—(Prom a correspondent),—Several papers, in informing the public that the iron tubing of the Artesian well at Granalit was concluded, also stated, erroneously, that the wrought-iron tubes were tinned. The tubes are not tinned, but pubennies, which is quite a distinct preparation, for the tin or the lead used in tinning constitutes the iron to the electro-positive state—hence it results, that, instead of preserving that metal from rusting, the tin and lead increase the oxidability of the iron, because, under this circumstance, the iron attracts, through the tinning, the oxygen which combines with it, and destroys more promptly than if it had not been tinned, which is a fact well known by electricians; when, on the other hand, the sine with which the galvanisation is effected constitutes the iron to the electro-negative stat

ENGRHOUS CHIMNISS - (From a correspondent). The two largest chimneys in the world are those belonging to Mesers. Chares Tennant and Co., of Scotland, and James Musprett, Esq., of England. The dimensions, &c., of the two are as follow:—

tory proofs.

Deprivate Pres.—This undertaking, which has cost the shareholders 60,000... was sold, at the Auction Mart, on Wednesday, for a sum very far below its value; the purchaser was Mr. T. Tyrrell, who, we believe, had advanced a considerable amount towards completing the works. The plor has a frontage of 600 feet, and about as much dopth.

THE SYKAM SHIP "HYMONOVAN."—We are requested to state that interes from Gibraltar, by the Monfrose steamer, announce the cerival of the Hinduries of that port, on the 28th ult., having run the distance from the Needler to Gibraltar (about 1200 miles) in 121 hours—being at the rate of ten knots an hour.

New Day, which have been been to be the state of the

ORIGINAL CORRESPONDENCE

MR. HALL'S "SHOKE CONSUMING" PATENT.

TO THE EDITOR OF THE MINING JOURNAL.

SIR,—In forwarding to you my further reply to Mr. Hall, I have to request a place in your next Number for a few observations in answer to your correspondent, "A North Wales Subscriber," and his mistakes respecting my "apike boiler;" and also in justification of those principles to which my mode of introducing air to the combustible gases generated in furnaces has been based.

Dublin, Oct. 10.

CONSUMMERON ON

Dublin, Oct. 10.

CONSUMPTION OF SMOKE—MR. HALL'S PATENT.

TO THE EDITOR OF THE MINING JOURNAL.

Siz.—I presume the advertisement, of which the inclosed is a copy, having appeared in the columns of the Monchester Guerdism of the 19th of January last, has uscaped your natice, and that of Mr. C. W. Williams, who, I observe, is carrying on a literary warfare with Mr. Hall. As regards Mr. Bell, of Edinburgh, named therein, that gentleman is, I believe, interested only in Ivison's patent, described at some length in the Mining Review, accompanied by a diagram, the principle being the introduction of a jet of steam taken from the boiler direct to the furance, and dispersed over the fire. I believe the smoke was consumed, but the want of economy in fuel, and injury done the boilers and free-bers, I understand, counteracted the advantages. This patent, at least, I cannot occurs as an infringement of Mr. Hall's, and I have reason to believe that the injurious effects have been, in some degree, remedied. My object in addressing you is to inquire of Mr. Samuel Hall, through the medium of your paper, whether he ever published his pamphlet, and, if so, through what channel I can obtain it? My own impression is that it is "all smoke." Leeds, Oct. 7.

P.S.—The following is copy of the advertisement referred to by our

Leeds, Get. 7.
P.S.—The following is copy of the advertisement referred to by our

P.S.—The following is copy of the advertisement referred to by our correspondent:

Leune Simons Nuraness Menzuva.—In the first week in February next with the published Mr. Hammed Half's letter respecting ble patent apparatus for the consumption of smoke, addressed to William Berkett, Esq., M.F., chairman of the above meeting. Also, a second better to the committee then appointed, in which Mr. Hall will establish his claim to the originality of his lovention, and the pricety of his patent for the only method which (atthough sength for during the hat half century) has been devised for the perfect consumption of smoke, unattended by such hose of fact, diminution of the powers of the bolives for the concentration of steem, admittend habour to the engineer, and other practical mischiefs, as the proprietors of the observe could not submit to. In this letter Mr. Hall will clearly show that the plane submitted to the showe meeting by G. W. Williams, Esq., and — Bell, Esq., of Edishurgh, are merely clussary institutions and infragements of his patents. Mr. Hall, in the meantime, suggests to all parties infragements on his potents until they have pursued his forthecosing statements, as well as the respective specifications of his patents, and those of the subsequent ones obtained by the two gentlemen above-mentioned.

SOUTHAMPTON DOCKS.

infringements of his patents. Mr. Hall, in the mantime, suggests in all patins the property of decircing intringements on his patents and there are the authorized of his patents, and those of the subsequent case obtained by the two gentlemen shown entrollored.

SOUTHAMPTON DOCKS.

Sta,—I now beg to solvess to you a few remarks on the "Specifications for works," so often alluded to by Mr. Smith at the meeting at the George and Vulture of parties interested in the above company. In the apecification for the work tendered to be done by Mears. M'Exp and Hadden, for 231,660£, there is a positive provision, that, in case of any dispute with contractors, the same shall be referred to two parties (if not undertaken by Mr. Gilles alone), so that the reforemee to Mr. Mannelli is, at I have before said, altogether improper. Why do the directors, their, persevere in their parposes on this head ! If not, because it gets rid of the question of their own responsibility to the shareholders, for, sooner or later, depend upon it, the shareholders will call for an investigation. In the other "Specification"—that involving 22,600£, (a more bagistally)—there is no mention at all made shout arbitration or security for disappear of works, nother is there any clause to the effect that the engineers have a right to alter the plan without invalidating the while contract! or any other troublemen matter of the kind—I mean of the kind which might prive troublemen matter of the kind—I mean of the kind which be highly prive troublemen matter of the kind—I mean of the kind which the highly prive troublemen matter of the kind—I mean, of the kind which the private share and the priv

NATURAL HISTORY OF DIAMOND.

Mr. Harry rays—"What we have a right to insist on is this—that the Government stell approximate, he much as possible, to justice, without giving any nonecessary stock to individual intents." We then ask, has Government done this? Mr. Harry rays and a produced in such quantifies as to become an article of consistents. "We then ask, has Government done this? Mr. Harry rays and the measurement of the third produced in such quantifies as to become an article of consistents." We then ask, has Government done this? Mr. Harry rays and the measurement of the present week, in directing stretion to the subject, which, after the discussion which has taken face in our columns, may be weary to discussion which has taken face in our columns, may be weary to become which has taken face in our columns, the weary in the removal of expension of the cartesia soid gas as also, and the removal of expensions. The three peoples are also as a face of the cartesia soid gas as a local, and a least, attempt to reply to the writer, who, with recept he makes a will have been a sound of the matters on which he offers consisted and and and which, is carean, because fails, may people be a sound of the matters on which he offers consisted and and and which, is carean, because of fails in our opinion) of the matters on which he offers consisted and and and the writer, who, with recept he matters on which he offers consisted and and and which, is carean, because of fails in high from the carean device.

We again defer offering are observations on the quantities because of the propose that they were noneway and which appear to be the "bone of contention to because that and less than 425 times the value principle, as was a set up rid of the carean of which is higher than the subject of the against the work measurement with one mode and all the remove of the propose that the object of the against the consideration of the propose next developed in the subject of the against the propose of t

Diamonds are also found as exudations from other minerals—such, for instance, is the specimen of diamond attacked to a piece of gold in the British Museum: they aggregate much after the same manner as do silicious publies, and, in general, in hede of primary qualities, and tropical heat appears to be a necessary smallery to their origin and growth. Mirro-accepted observations way detent resumblances to vogetable callular times, but the case rescribiances may with equal propriety, he derived from the prembrances testure of animals.

The character combination.

has the same remoblement may, with equal property, he derived from the membraneous texture of animals.

The classical combinations necessary to produce diamond are at present unknown, but in this era of discovery, when knowledge averages all difficulties, the problem will not remain tong correspond. It is stated that the natural process of generation is an exceedingly slow one, and by no means accelerated by a high degree of temperaturely but, as experience proves, they form in the space of sixty years in a dry hot soil, while the mineral coul forms under a lower degree of temperature as a black powder, which is said, as regards diamond, to result from a high temperature. Vegetable hodies, by artificial heat being applied, are converted into earhors, but it is animal malter, under certain combinations, becomes a carbonaceurae produce—the one and the other, by the intrusion of foreign malters, hereases of other of the distinguish policy in a site, but of the cames of the distingue to wisely apart from each other should be a came of the distingue to wisely apart from each other from the rude silicious pubble in three years; they are produced by art from the rude silicious pubble in three years; they are produced by art from the like material in eight days—here the art of man assists because is her purposes. Why not so with diamond? The crude meterial must, of necessity, be shandant in all parts of the world; all that is necessary is, to examine well the beds in which diamond? The crude meterial must, of necessity, be shandant in all parts of the world; all that is necessary is, to examine well the beds in which diamond is produced, the nature of the meterial of which these beds are composed, and the temperature and other causes which seculariate the result. Diamond is a compound mineral substance, which is capable of being commondants and processity is a compound mineral substance, which is capable of being commonded to each of the discovery in action may produce the result earhon, and the asserted on as to becom

ON WATER WHEELS.

CON WATER WHEELS.

TO THE EDITOR OF THE MINING JOURNAL.

Sin,—Allow me to sak Mr. Budge whether he lays it down as an axiom, that a 43-foot wheel should have a crank them feet long, or about one-eighth of the radius, and that the cranks of all other wheels should he in the same proportion to their diameter? If so, the crank of a 10-foot wheel would not be eight inches long. Now, fiir, it is generally believed that cranks from two to four feet in langth are the most convenient and efficient for mining purposes, whatever the diameter of the wheel may be therefore I shall leave the public to judge whether the absurdity lies with one of the Practiced Miner's Guide—and give two other examples of two 13-foot wheels, with their cranks two and three feet long, calculated from Mr. Budge's rule; which rule I beg to be before the readers of the Mining Journal, that those who may not be acquainted with it may see that I have not deviated, in the least, from the instructions therein given. Mr. Budge's rule runs thus:—

1. Maltiply the longth, herealth, and depth of the bucket together, and divide by 22-2; multiply the questiont by 10-2 lba., the weight of a gailou of water.—T. Multiply the diameter of the wheel by 3-14-16, and divide the product by the circular space occupied by each bucket—the quotient will show the number of buckets suntained in the wheel.—X. Multiply the third part of the number of buckets by the weight of water contained in one.—4. For the leverage.—From the radius deduct the length of the crank, and the remainder divided by the length of the crank, will give the operative length of the lever multiply the weight of water in one-third of the wheel by this length, and the product will show the full, or entire pawer.—Lantly. From this product east of one-6th for friction, and the remainder will show the full, or entire pawer.—Lantly. From this product east of one-6th for friction, and the remainder will show the not, or real power of a wheel twelve feet diameter, buckets thirty inches ince, twoire inches d

And the power of the lever :-- 12 -i- 2 -- 6--3-- 3 -i- 3-- 1 ; then

4. To find the power of the large :—12 \(\display = 2 - 6 - 3 - 3 \display 3 - 1\); then 1614 \(\epsilon = 1614\) the.

Lastly. For friction: \(-1614\) is \(-323\); then, 1614 \(-323 - 1291\) the. the actual power of the whool lifting six feet high, or 7746\) the, one food high, at an expense of \(\display 1616\) its, or from 13 to 14 per cent.

Example 2.—Required the power of a wheat two!re feet dismeter, hashes thirty inches had, twelve inches deep, and air inches wide, with a space of \(\display \) inches had been backet, and a crunk two feet heap?

1. To find the quantity and weight of water in each bucket: \(-30 \cdot 12 \) \(\display \) in \(\display 160 \) in \(\display 2 - 760\) in \(\display 2 - 760\).

= 3 1416 = 450:39 \Rightarrow (6 = 14) = 63. To find the weight of water on one-third of the wheel :==63 \Rightarrow 6 = 78-15 = 1614.

A. To find the weight of water on the lates of the 20 to 20

Wheat Espes, Oct. 19.

MINE NETTS...No. VI.

TO THE ENTIRE THE SETTEM OF THE SETTEM THE MALE.

BER, ... It's here, perhaps, been estiminated by those that no man has a right togethern a some of neutries or minerals. Motels cannot, in the neutries of things, like a tour or an apple, he appropriated to the private use of any night individual. Minerals constitutes a prectice of the wealth of nations, him may completically be said to belong he all, through conficed to the coultry of the band of Nost, where Caim desire to dwell? "alone in their lary." The upone described or comprised within the boundary of an naive provides only the excited or comprised within the boundary of an naive provides only the excited constitution, which the owner to come and by descent or collected constitution, and the stable to prove the retainly prochased by the variety of inclinity, may matter the order to design the country, may matter the order to design the country or design the country of the matter of their state of the order to design the country of the matter of their state of the order to design the country of the matter of the order to design the country of the country of the order to design the country of the country o

THE MINING JOURNAL,

his note, or pushed off his little barque, "walking the waters like a thing of life," to fish the river or the brine, are become the property of those that "go down to the sea in ships, and do business in great vators." For whose baseful?—For the benefit of the commonwealth. The river in which the old man bathed when a boy, or angled in the actting oun, or by which he listened to its song by moonlight, is now a commercial canal. Where is his little garden?—Ask public utility. The house in which were born the ancestors of ten generations, entailed for ever, is no more. "The boay tribes of fiesh und blood" have rised its deep foundations, for the streat is widened by public utility. Goldsanith's village is "descreted," and we hear the bestking of the boses of the dead, for the churchyard itself, with the dust of the departed, is winged by the breath of public utility, and we may see walk to the railway station the worshippers of God, where men, after prayers were over, were want to be carried to the merow house. What did all this, and much more!—Acts of Parliament. Seasem have been impressed, sons sent to also und to be alain, property taxed, and the present generation, who have long paid poor rates, pinched for the benefit of the text, who may be mass independent. And why?—For the good of the State—for the commonwealth, to be sure. In abort, the principle has long been recognised by the legislators of both Houses, that the real or imaginary good of the few most sometimes be accrificed for the good of the many, and that private control over local property, as will as persons, must be interfered with for the benefit of the commonity at large. Apply this principle to the granting of teine setts, and we are at once introduced to the presenble of "A Bill to Empower Judges, Ac., to make Orders for the Granting of Setts, and Minerals."

Pensone, Sept. 20.

IMPERIAL SLATE COMPANY.

IMPERIAL SLATE COMPANY.

IMPERIAL SLATE COMPANY.

TO THE ROLFOR OF THE MINIMO JOURNAL.

SIR,—Having seen, in the last Number of the Journal, a notice of a dinner given to the workmen of the Imperial State Company, at their quarries, near Killaloe, I would beg to remark, that though I cannot find fault
with the directors for thus evidencing to their workmen their approbation
of their conduct on the occasion alluded to in your paper, I would still, as
a friend to candour and above-board dealing, inquire the reason that they
(the directors) have published but one half-yearly report of their proceedings (and that the first half-year they held the principal quarry after their
purchase of it from the Mining Company of Ireland), the more particularly, 4s they then brought into the market a large amount of new abserse,
and, certainly, that was not the time to keep the public in the dark with
respect to their "profit" or "loss;" but trusting that the directors will
see the justine (when they bring shares into the market) of letting the public know the real value of the article they offer for sale, I hope soon to
be informed, through the medium of your very useful Journal, whether
the Killaloe alste makers are really "making wages or going in debt."

Hathdram, Get. 10.

[We are disposed to think our correspondent is in error on more than one

Rillaton state makers are ready.

A SUBSCATERA.

[We are disposed to think our correspondent is in error on more than one int. We have other letters with reference to this company, which want of ace precludes insertion this week.] space preclude

THE NEW TARIFF-THE MINING INTEREST.

space preciudes insertion this week.]

THE NEW TARIFF—THE MINING INTEREST.

To run solven and the mean of the property of the 23d old. (see Mining Journal of October 1st). Tendescoperal to show that the new tariff has a tendency to give under facilities to the admission of poer copper new late England for resetting, which class of ores will probably not be see ited at all unless in this country—and at the same time to discourage the importation of the richer ores, which can be emitted without difficulty classwhere, if appears that Mr. Hasset has not averloaded this tendency in respect of the former, for he says that "the greatest danger is to be foured from the importation of the peners ores;" and yet, although the duty in this case is so low as to evade, to a great extent, the fair claim of the British miner to protection, he dismisses the polar without the slightest animaleversion, said he passion over entirely annotized the Alli more versions danger of the fither own being driven, by an execusive duty, to be smelled abroad—forming, in all probability, the foundation of a five inserted, indicate aline to the British miner and smeller, and to the various important interests connected with them. I think that, at least, he might have spared his culony on Sir Robert Peel, as having on this occasion "acted with predence on the principles of commercial fraction." Of the "freedom" used there can be no doubt, but I cannot perceive the "produces" of the measure, nor its justice to any legitimate British interest. The most plausible plea for the unduly favoured importation of pose tree is, that it gives emailerable employment to chapped is not an acre that the public feeling and interests are equally apposed to deposing the heave and deserving men who navigate our cannot and their beand, in order thad British miner is may be calculated in any degree, to greater privations, that vapitalists, and slave owners—including mine agent alve owners—may more rapidly acquire wealth by "show hought and stole," Mr. Basset speakies

forcied farms out to be propositionally have once are they.

Mr. Basset speaks of his "endparanting to mothe the fears of the bard-more are they.

Mr. Basset speaks of his "endparanting to mothe the fears of the bard-morking man, by planing before him such facts as are most likely to disarrowhis natural alarm." I should be happy to perceive any facts having such a conscitatory tradency—I should be happy to perceive any facts having such a conscitatory tradency—I should be happy to perceive any facts having such a conscitatory tradency—I should be happy to perceive any facts having such a conscitatory tradency—I should be happy to perceive any facts having such a conscitatory tradency—I should be happy to perceive any facts having a such as a charger rate "—the very thing which is an engine most be produced at a charger rate "—the very thing which "the hard-working man " is alarmed about!

The Chaolish standard has, I be lieve, averaged (at ?? produce) should live the last three years of that period, and it is now belly upon! he lit. Not ethicstanding this his, not generally standy rate has pervalied, and that, during the last three years of that period of all this, we have Mr. Basset's possible assertion that and in mining belows and mining materials has greatly decided (the florance lumentality to), the produce of the mines has decreased; and, is the flora of all this, we have Mr. Basset's possible assertion that the flora of all this, we have Mr. Basset's possible assertion that the force of all this, we have Mr. Basset's possible assertion that happened there, and six where is take "basque cate," by a sefertion to the florance and that, by " a better economic on the thin one made from the reproduction of the should on our mining operations, nor produce may be " obtained on casive should be expensed for our mining operations, and that the offers the reproduction to the florance of the should produce the sum to the florance of the should produce the sum to the florance of the should of the stream that the offe

COLONIAL LAND COMPANIES.-No. 11.

New Zenland ammelies malley of two large blanch, silmaled about land miles and flow Alarican, calculation Hilling Instead and the North Statement of the Control Chief Philips Instead on the North Statement of the Control Chief Chief. The Philips Instead of the North Statement of the Chief Chief Instead of the Chief Instead

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the firm of Ridgensy and Ca. users bount at an expanse of 20001. In November last the number of establishmilly build secoles about 250 offer smaller was 198, escented at a user of at least 25, count, besides about 250 offer smaller him to the count of which sary be established as 30001; by this that the county holders are at an arrangement of the late of the county holders are at an arrangement of the late of the county holders are at a smaller has been distributed as a smaller of the county holders are a smaller but with the county of the latest intelligence, is appeared that the extiture (some, aspecially thoses of Wellington and Nalsan, the second artifement founded by the company, and housed in Tasinan's Guilf are, by their county and determination, insuring rapidly the realisation of their prisonery views and intentions, all their communications breathing a spirit of satisfaction and confirmes. The most important of the collegence from Wellington is the account of the extraordisary produce of the soil is that district. The following, from the Hellington specialized we holded the quantity produced 2 goa an acre, and the result is most satisfactor. His calculations were saids upon all tons to the arrangement of the county of

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MINING CORRESPONDENCE.

ENGLISH MINES.

Oct., 10.—I beg leave to inform you that the lode in the 110 fathom level is one fund, wide, and worth al. per fathom. In the 100 fathom level west the hole is eightern inches wide, and worth it's, per fathom; is the lovel west the hole is eightern inches wide, and worth it's, per fathom; is the lovel east the lode, is still drawing a heard ground; it he lode in the castern stopes, in the back of the 100 fathom level, is two feet wide, and worth 42, per fathom; it he lode in the meltern stopes, in the back of ditto, is lun feet wide, not worth 440, per fathom. Is the ninety fathom level of ditto, in lun feet wide, and worth 450, per fathom; the hole in the asserts stopes, in the back of this level, is eighteen inches wide, and worth 350, per fathom; the lode in the western stopes, in the back of this level, is eighteen inches wide, and worth 350, per fathom; the lode in the western stopes, in the back of this level, is latteen inches wide, and worth 350, per fathom; the vight fathom level east the hole is two feet wide, and producing attores of one; the cross-out at this level, to wards the mark hole, and producing attores of one; the cross-out at this level, to wards the mark hole, and in the sixty-two fathoms level east the hole is the topes, in the back of this level, is fifteen inches wide, and worth 350, per fathom. The lode in the city-two fathoms level east the lode is eight inches wide, composed civity of spars, capel, and mondie. The billute pinches, again the whole, are still looking lavourable;

Orf. 2.—Seventy Pathom Level, east of Williams's Shaft—Lode Oree and a half feet wide, producing a name in quality of one; ditto, weater ditto, doe three and a half feet wide, producing a name of the producing same ore, but course in quality of interved wide and feet wide and the feet wide of the lode in the city of the producing same ore, but course in quality of vides, word of ditto, ditto ditto. Sixty Fathom Level, east of Williams's Shaft—Lode Dare and a half feet wide, or one of his quali

per fathom. The forty-four word is worth 71. to of. per fittion.

TREGOLLAN MINISTE CONTRANY.

WILLIAM SYMONS.

Oct. 16.—We are progressing factourship with the sinking of Baker's shoft into the fifty fathom level, which is remainsailly producing good stones of one on the south part of the hole. The hole in the fifty fathom level cast is the process of the process of the south part of the hole in the fifty fathom level cast is the hole of the process of the south part of the hole in the fifty fathom level cast is the hole of the south part of the manus the fifty fathom freel, and find the hole in the nearly of the name value as last reported, follows level, and find the hole in cast pot the name value as last reported, producing about a ton and a half of one per fathom. Our prospects in the siliant department remain south the name.

Oct. 1.—We have remain south the name.

Oct. 1.—We have recording to your device, proceeded to the island of fair, and mater a case processing, and less to one you was characteries. It mineral chore-ter of the island, in a generation which have been carried on by your agent, and see now processing, and less to one you was characteries. It mineral chore-ters of the classed, in a generative it necessary to proceed spent or retart of levels rivers, either an discussory or in developing, latter than the principal chipeth of he had the conduct of the state than the principal chipeth of he had the conduct of the process than the principal chipeth of he works and than the promotion of the report wine are the weeking of the first in a found a part of the plane thouse on his your agent, Coptain Prince. As in a found a part of the plane thouse on his your agent, Coptain Prince.

As the chair approximan carried on at the prevent time are the weeking of the feet of the part of the principal chipeth, in every may adapted for the prevent time are the weeking of the feet of the part of the principal chipeth, in every may adapted for the prevent time are the weeking of the feet of the principal cha tally justified the most soughter experiences of perfitable remails to the admanuscry, which by the present operations and occurs or remails to the almanuscry, which by the present operations and occurs or defects are just be resilied. At the ten firthers in vit or found that the banches of
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going in the ground grown in the past, and also mad is, other in rise in the ground grown in the ground grown in the ground grown in the Creen these is in find with which and can state the color between the color of the color of the grown in the grown in the same of the grown in the grown i

dently hope that the future returns may improve, but we cannot must immediate prospect of these returns being to any great catest, or to be at fained without a further outley of eapital.

P. N. JOHNSON. NICHOLAS VIVIAN.

TASTOL MINING CAMPARY.

Oct 10.—The lode in the forty fathous level, east of Williams's shaft, is fitteen inches wide, vary good tribute ground. The lode in the rise, in the lark of this level, is all inches white, good tribute ground. The lode in Heavend's shaft is fourteen inches wide, good tribute ground; this shaft is now do use 1.2 is.es. [Af, below the thirty fathous level, we have searly two feet more to sink, which we hope in be able to necessary in the lode, west of John's chaft, at the adit level, is sit, inches wide, producing a small quantity of ore. The lin loads, which we need the part of the lark of the adit, east of Moreover's shaft, in much the same is size and quality as last reported. Last Fribay, one satting day, twelve pitches were set, varying in tribute from 12s. to 4s. in the 11.

TAMAR SILVER-LEAR MINIMO COMPARY.

Oct. 10.—In the 125 fithous level the lode is one foot wide, attll producing in width producing some good werk—a very promuting level. It the 195 fathous level the lode is vighteen inches in which producing some good werk—a very promuting level. The the 195 fathous level the lode is the sighteen should be income foot wide, carrying small branches of ore. In the nine of the sighteen level the lode is about the name width, one foot of which is good saving week. If the sight, for fathous level the lode is one foot wide, producing silver-lead ore, but not rich. In the sixty for fathous level the inde is from one foot to githers inches wide, compared of capel and foot, spar information of the sixty for higher leads as the first index proposed of expel, with a same domain of the lode is two foot wide, recompared of expel and foot, producing silver-lead ore, but not rich. In the sixty for fathous level the lode is two foot the name whith, one foot of high the lode is

POREIGN MINES.

FOREIGN MINES.

Considerate to the court, dated the 19th oil., "and at the ancitation.

After to the court, dated the 19th oil., "and at the name time, in hand to you becrewith the following document to original, Acc.

After of flayer.—A very considerable follows for so the value of ores on joint accident with business. but there expectedly in the former, and which has daterably experiences, but there expectedly in the former, and which has daterably expected the returns of the mise, or the amples over dependent, the last expected with the removes, but there expectedly in the former, and which has daterably affected the returns of the mise, or the amples over dependent, the inst expected will dot exceed fromthe, whilst the immediate predecessor be observed on I id, and A thin decreases of returns in attributable to a failing off in the quality of the over, it is to be based that a condens on improvement therein may take place shortly, though, at the present moment, there is no indication to this desirable and. The return, a however, may be some what argumented by some examining pillars, containing masses of rich one, which may be isonaked down without much danger or ingonvenience to the make, but they appear to be kept in sensors the came future provised.

Resultances.—As conthus, has breaked of the Tampien mandents since its departure from house, I trend it will reach its date from the continue of their continues of the order of the order of the continues of these continues of the continues of

MINING NOTICES.

Discovery of the Coal and Mine at Cove Tilliary, Monatous arise.—It is well known that Mr. Thomas Brows has gone to both it his and expense in sinking a pit in Cove Tillery, in the parish of Aberyatu (see Mining Journal of September 17th and 28th), for the purpose of an ining the iron and coal velin there contained, and, other a consider time working, the undertaking has turned out very foctuonicly, which been of great granilation to himself and the inhabitant of that neighboud in general, and particularly to holders of lands. It may be said this project has been of great antifunction to C. H. Leigh, Emily, of Postypt to the owner of spores of acros is that anishbourhond, in which is to be for those veins which have been, until take, buried in oblivious had obscurity, are at present brought to sight through the activity of Mr. Howen; of the constitution of the sight proprietors of houseless of acros in the occasion, being proprietors at houseless of acros in the occasion, being proprietors at houseless of acros in the ones as the constitution of the materials that will be risen, for house and foreign consumption. Perhamme may be inclined to say that the adventure was ecasely worth notice as there are pits assuch an Mantysio, Conditional value, Bissina, and Caygos; it is a fast, but the one under sociac is nearly three units further souther than the one nearest to it, as what the observation to four different parish it is possible to get confress here, so as to let water apart from the Rofrey Variog, and all the Himsarven of an being ultuared so as to command their parish the substant the one cannel from earlier than the one cannel of the manuscript to now the substanting of pumps and engines, as used as present, as well as being visinged with brackley are travelling through the substantances passanger, can also be of the same service to the Victoria from works. From the figure apparent of the manuscript to supply furty farances and several flut for apparent of the passage of the passage of the

MINE ACCIDENTS.

Delabole State Querry.—William Coek was killed on Tapeday inet, by a stone failing and fracturing his skull while at work in this querry.

Wispate through Colliery.—C. Fairlands, driver, was killed at Wingsta Grange Colliery is consequence of his head being jamesood between a prop and the country of a tab.

Shellimorth, near Bury.—Yesterday week, as W. Huiden was according the coal pit at this place, the rope liveley, and he fell to the isolum, and shortly after died from the injuries he received.

the country of a teb.

Shelloward, our Barg.—Yesterday week, as W. Hubben was according the coal pil at this place, the rupe broke, and he fell to the indican, and shortly after died from the lajaries he received.

Sr. Austra Minras." And Machanica' Invitutes.—The second season of this institution commenced on Monsiny evening last, whose an introductory address was delivered by Mr. Henry Gripe. The next hoteres, "On Popular Deltations," will be given by Mr. Richard Northm, on Monday, the 24th inst. The society, we understood, has received liberal doubtions from Sir Charles Lemon, Hart., J. S. Enge, Esq., and William Learence, Esq., of London.

Parenano Calamentas Rahaway.—It appears, from a report propagate by Mr. Louke, that the head capital se used for the formation of this grand fine will be 3,569,405£, which it is proposed to appropriate as follows:—For section No. 1, from Learenaries of the Simplery, 300,000£, 1 stock and estrious, 2007,000£. In addition to this engited it is proposed to have 60,000£ for contingences on the Edinburgh and Giagow line. "There are (asp Mr. Louke) many reasons sky the diorectoment should add in effecting a constantication which would give ooth facility to the isospectant districts which it is distributed to make "Wastanas Rahaway, seconding to the analyse of healthing."

Near Mentanas Rahaway, seconding to the analyse of selection and engage paid by this company, seconding to the analyse of selection of the company, and which have lately amended their labours, resonanced on the 10th of Anjour, is convenient and selection and on the second proposed on the 10th of Anjour, is convenient health on Mentanas and the company, and which have lately amended and considered and the company, and which have lately amended and considered and the company, and which have lately amended and considered and the company, and the first control of professions and an observants and forester resolved to appropriate them to judge have for they would be, in the appropriate of the considered proposed on the lines of lime.

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The smrked for English accurities has been heavy, and but little business transcoled during the work, the published armount of the active-cursine clare of the make providing process. It is a superior of the active-cursine clare of the make providing process. It is a superior of the mercusatile interests, and dependent the make make a make framer. Therefore, but, to fine the clare of insulance, the market seems a shade framer. Therefore, but, or force the clare of insulance, the market seems a shade framer. Therefore, but, or force the clare of insulance, the make the clare of the state of the state of insulance, the make the clare of process and active, and the clare of the ready, had an inclination to the total tendence was transacted. Commits, with the extrapolar had a better of advance, the at questions being \$13, on the, and for Accurated, \$1, the price having factorated within the state of the ready, had an inclination to advance, at the latter price. Extrapolar Bits of the state of the

STOCK EXCHAI	VOR, Returdey morning, Twelve o'clock.
Commonde Monney, 20-5 Dillio Assemment, 20-6 New Jug part Contin., 10-7 Randscood S part Contin., 10-7 Randscood S part Contin., 10-1-7 Randscood S part Contin., 10-1-1 Rands Rands Rands Rands Rands, 20-1-1 Rands Rands, 20-1-1 Rands Rands, 20-1-7 Retainen Bonnele, 20-2-7	Dutch, 24 per Cond., 5:3 1 Ditto, 5 per Cond., 5:3 1 Portuguena, 5 per Cond., 5:3 7 Portuguena, 5 per Cond., 5:3 15 Reanism, 6 per Cond., 5:3 15 Reanism, 6 per Cond., 5:3 15 Ditto, 5 per Cond., 3:4 15 Ditto, 5 per Cond., 3:5 2 Chill, 6 per Cond., 5:5 4 Manisma, 5 per Cond., 5:4 1 Peru, 15:1 6:5
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NATIONAL DEET TO Leave Communications of New Majorsty's Treasury having cortified to the Communication for the Sedection of the National Brief, in personner of the net limit Seeing N. e. 22, sec. 1, that the actival expenditure of the Valled Shagons of Great Briefs and Product on the trained expenditure of the Valled Shagons of Great Briefs and Product of the method or evenue thereof, for the past defined the arth day of Suly, 1822, by the warm of 1,007,704. Fr. od., the Communications for the Sedection Dada Service gives recibes, that no some will be spipiled by those on account of the Indiana Dada Service gives recibes, that no some will be spipiled by those on account of the Indiana Product, doctor the provisions of the said set, between the 17th day of October and the sixth day of Janescy, 1643. National Leidenglier, 1841.

ALA STATTURE.	ASSETS, 1
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£19,171,000	£'11,100,000
Describes alread field 14.	

of Pressed, 1221. Wheblow Copper Mores, 1121.

**LERDS, Tutuscau, ... in the absence of our H. B. W. we have nothing to report, computing a most insective market in the share freeds change the part week. Eliminary is and time and time on computer, we failtre, and are freely offering at 424. In Sinf. 1, 1101 and definy are plential at 3014. In July, whilst Levels and storing loss parts of the property of the cold before a storing the parts of the cold before a storing loss of the storing moving appeared, of liters asking list for the cold blazers, 2014. For the larves, and threat not being to be obtained under 1024. In 1021, the 1021, the larves and the storing loss of the storing storing

WhistCH. Papar - We have bad but for transactions in reliverys this week, but these that layer been effected in threat Western charts have been at advances prices. The federating are not questions — ferred Western Badwary, 855 to 855c, halves, 665 to 15 fet. Stricted and Katery, 855 to 856. Belated and thouseneder, 155 to 156. Stringham and Choseneder, 456 to 156. Stringham and Choseneder, 456 to 416. Stringham and Barby, 36. to 416. Chestenhem Useen, 156 to 157. Tall Vale, rate, Lundon and Barby, 36. to 416. Stringham, 156 to 157. Stringham, 156 to 157. Tall Vale, rate, Lundon and Barby, 36. to 156. Chestenhem Useen, 156. to 157. Tall Vale, rate, Lundon and Barby to 156. Stringham, 156. 15

BALE	OF	001	7723	ORES	IN	00	BHWAS
Dampied Rept.	95,		Sold at	Andrew	s Be	del,	Rodrath,

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Botallack 193	2346 14	4.6	Wh. Towan 12 .		2 .
Harvey's ore 122	414.14	. 6	South Wh. Neptune 9 .	68	14 6
Providence Mines 141	769 7	.6	Wh. Raven 4 .	10	14 0
Average standard, 1101. 12s.	-Aven	sge	roduce, 64Average pr	ice, 61. 4s.	64
Quantity of ore, 2459 tons	Quantity	y of	And copper, 179 bone 2	WL-Amo	nat of

mey, 15,900. 6s. 6d.-Average standard of last sale, 1121. 6s.-Average pro-

COMPANIES BY WHOM THE ORES WERE PURCHASED.

The second secon	Tone.	Amount.
English Copper Company	664	@4112 19 3
Vivien and Sons	F23	4 6
Freeman and Co	6ms4	4925 11 9
P. Grenfell and Sons	29	100 4 6
Siens, Willyams, Naville, Drune, and Co	1904	786 7 9
Williams, Poster, and Co	206	1162 12 4
COLUMN STREET,	Minority	_

Copper ores for sale on Thursday work, of Farquitars, and Parcels.—United Mines, 1278, South Caradon, 500 Downs, 390; Treasress, 241; Fowey Cossels, 209; Trepulsions Codenis, 72.—Total, 3000 tons.

QUARTERLY SALE OF COPPER ORES IN CORNWALL—Copper cres, 26,533 cests.)—Fine Copper, 2718 tons 18 cests.—Amount of money, 200,8721. 1s. 64 il cwis.)—Fise Copper, 2718 tons in cwis.—Assessed of money, 200,8721. is. 6d.—Average standard, 1101. 16s.—Average produce, 74 and 1-16.—Average price per

Copper over for sale on the 19th of October — Cubre 180, ditto 50, ditto 77, ditto 76, ditto 66 — Knockmahon 108, ditto 79, ditto 74, ditto 64, ditto 14 — Sautinge 68, ditto 68, ditto 76, ditto 77, ditto 77, ditto 78, ditto 6 — Engle 18—Glosiona-terchire 8—Copiapo 7.—Tutal, 1605 tons.

WORE PREFORMED BY CORNISH ENGINES.

The number of pumping-engines reported for the mouth of Sept. is of the quantity of coals consumed being 1900 tons, lifting, in the aggregate, 31,000,000 tons of water is fatherns high—the average duty of the while is, therefore, 34,000,000 the state of the tigh by the commengation of a backet of coal. The following is a tist of those outgines, the work of which has exceeded the average ...

Length.

Mines.	Englant)	in cytics der.	Load per meh.	per per min.	of conf	Lha. lifted 1 ft. by a bus. of cond	White
W. Darlington	Enstern, 98-in. s	10.0	180	8'88	2616	64,303,651	622.0
tit. W. Forkome		9.7	10.0	7.0	2536	61,167,819	749
Geskulphin	Mim's 80.10 6.1 .	10'0	11.1	8.8	3196	60,241,661	1 747-4
Diffe	Roberts' pt. in. s	10'0	11:85	1.4	9914	Sa, rev. pin	2
Great Work	Londo's Main a.		16.3		1346	50,000,564	-
Wh. Voc	Burlane's bt. in a	10.0	18 8	6'2	2006	No. 301, 234	1 -
Ditta reserv	Trelameney st. in s	10'0	15.75		3184	64,714,949	
E. Wh. Crofty	Errymenn so s	16'88	11.1	2.87	1834	79,965,690	1684
Wh. Car	70.00. 8 14	18'9	14 97	7.0	2085. 1844	65,844,632	
Chrn Bren	76 in 4	8.0	13.62	8.10	1944	88,096,064	
DW0	Sim's in in com-	84	17-8	49	198	49,417,613	318.6
United Mines	Paying's 65. in s	31.0	18'95	8.0	1100	147,494,540	1
Ditto	Ebbro's 10 to a.		16'0		887	74,499,560	
Distance	Louis 's 65-in a.	10.0		A 06	2439	64,680,041	} -
Ditto	Hocking's 65 in a	10'8	161	8.8	3145	79,871,399	1
United Hills .	Williams' 66-le s	100	9'92	46	1230	24,700,501	391-1
Politerou Con.	Yigen's 66 to F	9.0	10 50	5.4	1585	89, 500, 800	mm.
East Wh. Bose	Michali's 70 in a	100	5'94		414	60,964,969	-
nway Con	Assettin's 86 in a	10'33	18'57	8.3	2042	76,000,021	491'0

"," The bollers are leaky at old engine, Polheron

LATEST CURRENT PRICES OF METALS.

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hares. Company. Paid. Price	
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A, row Mikage Hridge b	136 Trevioley and Surrier 100
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0,000 British from 70 06.86	120 Trethellan 180
8,000 Electores 50 115	4,000 United Hills 8 34
129 Brewer	6,000 Wicklow Copper 8 . 18
79 Bednick 29	3,645 West Wheal Jewel 10 84 6
1,000 Carn Brea	120 West Trothellan 75 75
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2,000 Cornuman Land Co 2 2	1,000 West Carbery 15 12
1,000 Cornwall Great United 104., 1	FOREIGN MINES.
512 Cook's Kitches	A NUMBER OF STREET STREET, STR
111 Charlestows 410	5,000 Altru Mining Company 155 8
128 Crogg Braws	19,000 Angio Mexican Co 100 2
128 Coelects	3,874 Do.Subscription 28 28 8
1,000 DurhamCountyCoulCo. 87 9	2,000 Holamos 150 54
300 Diamond 5 6	Pitto Scrip 15 #
139 East Pool 349	10,000 Brazilian Immerial 21 27
100 Great Commis 97 610	10,000 Bolivar 20 3
1,000 Hibernian 124. 29	10,000 Ditto Scrip 10 . 3
,000 Halmbush 14 45	10,000 Cuta Branca Brasilian 64
1,000 Isle of Sark (Guernary) 11 s	10,000 Conceiçan. J Co. 4
80 Levant	12,000 Cobre CopperCompany 40 25
,000 Mining Co. of Ireland 7 157	8,500 Culombian Co. regis 88 2
128 Mostyn Mines [00	10,000 Copiapo Mining Co 134 . 82
70 North Roskess 300	to,000 General Mining Asso. 20 . 44
1,000 Polherou Censols 10 . •	A,551 Mexican Company 164 1
100 Rhymney from 10 161 100 Resewall Hill 180 160	12,000 Moranhan and Curaca 25 44
100 KONEWALL HILL 190 160	14.400 (Beal del Monte, regis. 684. 14
129 Bouth Caradon 1000	I Do. unregistered 24
800 South Towas 10 1	Ditto Loan Notes 150 40
61 South Wheal Baset 340	7,000 Royal Santiaco 10 354
17 Speam Moor 70 100	11,000 St. John d'et Rey 15 24
ow Tregolian	10,000 United Mexican 40 14
,000 Treieigh Consols b id	Black Serig, addl. capital \$ 12
,600 Tamar Consols 3 21	Red New Serip 24 21

RAILWAY SHARE LIST AND THAPPIC RETURNS.

The business done in these shares has been exther heist, and the prices have, but few exceptions, advanced. The following are the principal share in a sales have been effected — Birmingfann and Gloubester, is to 41 / Charace Eastern Counties, 45 to 2 ; Edisburgh and Gloucester, is to 41 / Charace Eastern Counties, 45 to 2 ; Edisburgh and Gloucester, is to 41 / Charace in a sales have been effected — Birmingfann and Gloubester, is to 42 / Loodon and mingham, 1644 to 5 ; ditto, quarters, 474 to 45, ditto, thirds, 61; ditto, new, Loodon and South Western, 274 to 41 ; Manchester and Birmingfann, 264 in South Easters and Dever, 271 to 221), and ditto, new, 1/4 to 12. The taking esseion of the Charace Railway by the Loon Commissioners, for the amount o claim (455, 624 f) has created much semantion—not only among the principal part interpreted—the proprieture—but the public at large, this being the frest time powers of the commission have been put in requisition—actual that the commission acted a friendly part in the proceedings they had adopted. However, it appears in another column, superpose the directors for that purpose, which appears in another column, whether that was agreed to in understan, as the secretary, and with, we brive, the concerns the board of directors, refered to unputy a copy of the resistation passed at thing rather unquicious in the refuse, the confedence of the public at large that the same time, 4:,000, was subscenied for in the trees, the part of the manager to allow of documents to be published, and we think that such a proceeding in not the was priced to the country—and it appears the model of the public at large that is a proceeding in not the was priced to the formation of the railway, publicly to their proceedings unglet to be the proceeding of the trees, for the proceedings to give to the directors.

Line,	Entire Lgth.	New Open.	Present ac-			Bettern.
Arbroath and Forfer Railway	18	18	d 101,645	-	77	#148 18 B
Birmingham & Berby June,	- 45	386	MIE,044	198	361	1499 17 E
Birmingham and Gloucester Brandling Junction	824	81	1,018,725	100	43	2000 IL 6
Chester and Birkenhead.	100	23	8 487,694	44	NO.	475.13.0
Dublin and Kingstown	149	148	456,864	1,62	38	AND 11 2
Dundee and Arbroath	169		333,266	100	77.	mp7 18 6
Eastern Counties*	1264	100	134,954	1		202 12 15
Edinburgh and Glasgow	100	12.0	1,476,170	1	73.00	1075 10 4
Glassow and Arr	- 77	201	1,258,284	1000	-	1917 49 18
Glangow and Arr	994	900	150,000	200	100	1481 17 6
Gd. June. & Chester & Crewe	1124	115.4	2,192,642	100	1.00	122010
Great North of England	75		1,000,000	122	172	7842 18
Great Western	118	110	6.000.044	120	62	1819
Hayle	10	10	135,000	100	-	731 2 4
Hall and Selley	31	41	450.000	44	974	1199 11 4
Lancaster & Preston June.	20.2	204	MAIL 0000	774	97	2130 11 8
Liveryood and Manchester		81	1,419,000		784	4915 10 7
London and Sirmingham	1124	1124	A.774.007	-	185	17111 6 19
London and Blackwall	34	84	MOZ ,660	- 64	- 64	
London and Brighton	46	45.0	2.000,500	1.5	-21	444
London and Country	104	104	NA7 , SW2	134	100	410
London and Greenwich	3.0	10	799.300	135	-1901	E44 14 44
London and South Western	98	22	1.25A.882	200	17.0	6791 1 198
Manchester, Bolton, & Bury	18	10	779,888	100		
Manchester A Birmingham	46		- 5,166,812 -	-	204	100
Manchester and Leeds	50	10	1,573,166	24	200	1000 15 15
Midland Counties	47	47	1,440,700	100		FR85 16 60
Newcastie and Carlisle	604	014	750,066	100	84	1419 16 6
Newcastle and N. Shields	1	7	253,=27	300	44	200 4 8
Northern and Endern!	324	194	304,813		100	1456 8 8
North Midland	728	224	2,819,497	100	100	4797 1 8
NORTH CHICAGO AND ADDRESS OF THE PARTY OF TH	28	28	- MIN. ARR	- 24	204	1001 5 6
Present and Will	194	194	279,000	84	24	\$19 1 AU
Sheffeld and Manchester	40	7	261,327	R54	HOME.	208 4 2
South-Eastern	47	*	1,478,448	80	274	1814 4 16
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York and North Midland	Ta 1	20 1	255,500	40	-	1946 S.B.

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